

*DW*  
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**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Robert L. Dow, et al.      **Examiner:** Zinna Northington Davis  
**Serial No.:** 10/721,318      **Art Unit:** 1625  
**Filed:** November 25, 2003      **Docket:** 17082AZ (PC10118C)  
**For:** GLUCOCORTICOID RECEPTOR      **Dated:** April 25, 2005  
MODULATORS

**Confirmation No.:** 7093

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

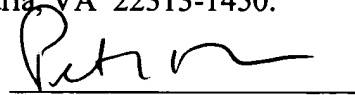
In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. United States Patent No. 3,683,091, dated August 8, 1972 to Nagata et al.;
2. United States Patent No. 5,696,127, dated December 9, 1997 to Jones et al.;
3. United States Patent No. 5,767,113, dated June 16, 1998 to Cohn et al.;

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: April 25, 2005

  
Peter I. Bernstein

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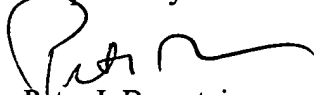
4. Japanese Patent Application No. 4536500, dated November 20, 1970;
5. European Patent Application No. 0188396, dated July 23, 1986;
6. Japanese Patent Application No. 6263688, dated September 20, 1994;
7. European Patent Application No. 0683172, dated November 22, 1995;
8. PCT International Publication No. WO 98/27986, published July 2, 1998;
9. PCT International Publication No. WO 98/31702, published July 23, 1998;
10. European Patent Application No. 0903146, dated March 24, 1999;
11. J.A. Findlay et al., "Synthesis in the Diterpene Alkaloid Series-I The Stereospecific Synthesis of an Intermediate and its Identification with a Natural Degradation Product", *Tetrahedron Letters*, No. 19:869-872 (1962);
12. E. Fujita et al., Terpenoids. Part XXVIII.sup. 1 Total Synthesis of Enmein.sup.2.", *J. Chem. Soc., Perkin Trans. I*, (1):165-177 (1974);
13. P.N. Chakraborty et al., "Synthetic Studies in Resin Acid Series: Part VII\*- Synthesis of 1 $\alpha$ -Methyl-1 $\beta$ , 4 $\alpha\beta$ -dicarboxy-1,2,3,4,4a,9,10,10 $\alpha\beta$ -octahydrophenanthrene & 1 $\beta$ , 4 $\alpha\beta$ -Dicarboxy-1,2,3,4,4a,9,10,10 $\alpha\alpha$ -octahydrophenanthrene", *Indian J. Chem.*, 12(9):945-955 (1974);
14. U.R. Ghatak et al., "Angular Alkylation Through a Novel Intramolecular Cationic Reaction. A Simple Stereospecific Route to Polycyclic Bridged-Ring Intermediates Towards Some Complex Diterpenoids", *Tetrahedron Letters*, No. 32:2929-2931 (1978);
15. G. Sinha et al., "Condensed Cyclic and Bridged-ring System. Part 9.sup.1 Stereocontrolled Synthesis and X-Ray Structural Analysis of *cis*-3,4,4a,9,10,10a-Hexahydro-1,4a-ethanophenanthrene-2-(1H),12-dione and *trans*-3,4,4a,9,10,10a-Hexahydro-3,4a-ethanophenanthrene-2(1H), 12-dione", *J. Chem. Soc., Perkin Trans. I*, (10):2519-2528 (1983);
16. P.R. Kanjilal et al., "Synthetic Studies Toward Complex Diterpenoids. 16.sup.1. A Novel Synthetic Route to the Carbocyclic Skeleton of Stemodin and Stemarin by Acid-Catalyzed Intramolecular C-Alkylation and Rearrangement Reactions", *J. Org. Chem.*, (50):857-863 (1985);

17. C.F. Biggs et al., "Synthesis and Pharmacological Evaluation of 4a-Phenanthrenamine Derivatives Acting at the Phencyclidine Binding Site of the N-Methyl-D-Aspartate Receptor Complex", *J. Med. Chem.*, (36):1977-1995 (1993);
18. H. Sdassi et al., "Enantioselective Synthesis of (R)-(+)-4a-Cyanomethyl-6-Methoxy-3,4,9,10-Tetrahydrophenanthren-2-One", *Synthetic Communications*, 25(17):2569-2573 (1995);
19. D. Bonnet-Delpon et al., "Trifluoromethylalkenes in Cycloaddition Reactions#", *Tetrahedron*, 52(1):59-70 (1996);
20. PCT International Publication No. WO 95/10266, published April 20, 1995;
21. Japanese Patent Application No. 9052899, dated February 25, 1997;
22. PCT International Publication No. WO 98/26783, published June 25, 1998;
23. T. Ibuka et al., "Studies on the Alkaloids of Menispermaceous Plants. CCXXXVI.\*sup.3", 87(8):1014-1017 (1967)-English-Language Translation; and
24. Chemical Abstracts, 84(19), Columbus, Ohio, US; abstract no. 135496w, Kigasawa et al.: "1,2-Cycloalkanoisoquinolines" and JP 50 111098-(Grelan Pharmaceutical Co., Ltd.; Japan) (1976).

Pursuant to 37 C.F.R. §1.98(d), copies of the above listed references are not provided, as references were previously submitted to the Examiner in connection with parent case, U.S. Serial Number: 09/559,384 filed on April 27, 2000.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(c), a check in the amount of \$180.00 is enclosed.

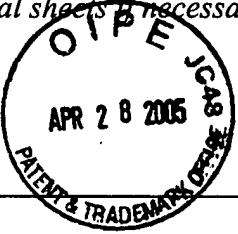
Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Peter I. Bernstein', is written over the printed name.

Peter I. Bernstein

Registration No. 43,497

Scully, Scott, Murphy & Presser  
400 Garden City Plaza-Suite 300  
Garden City, New York 11530  
(516) 742-4343  
PIB:dg

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE  <div style="text-align: center;"> <b>LIST OF PRIOR ART CITED BY APPLICANT</b>   <i>(Use several sheets if necessary)</i> </div> <div style="text-align: center;">  </div>		<b>Atty. Docket No. (Optional)</b> 17082AZ (PC10118C)		<b>Application Number</b> 10/721,318	
		<b>Applicant(s)</b> Robert L. Dow, et al.			
		<b>Filing Date</b> November 25, 2003		<b>Group Art Unit</b> 1625	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)	
AA	3,683,091	8/8/72	Nagata et al.				
AB	5,696,127	12/9/97	Jones et al.				
AC	5,767,113	6/16/98	Cohn et al.				

U.S. PATENT APPLICATION PUBLICATIONS							
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)	
AA							
AB							

FOREIGN PATENT DOCUMENTS								
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
	4536500	11/20/70	Japan					
	0188396	7/23/86	Europe					
	6263688	9/20/94	Japan					
	0683172	11/22/95	Europe					
	WO 98/27986	7/2/98	PCT					
	WO 98/31702	7/23/98	PCT					
	0903146	3/24/99	Europe					

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
	J.A. Findlay et al., "Synthesis in the Diterpene Alkaloid Series-I The Stereospecific Synthesis of an Intermediate and its Identification with a Natural Degradation Product", <i>Tetrahedron Letters</i> , No. 19:869-872 (1962)

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE  <div style="text-align: center;"><b>LIST OF PRIOR ART CITED BY APPLICANT</b></div> <p style="text-align: center;"><i>(Use several sheets if necessary)</i></p>		<b>Atty. Docket No. (Optional)</b> 17082AZ (PC10118C)	<b>Application Number</b> 10/721,318					
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<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 95/10266	4/20/95	PCT				
		9052899	2/25/97	Japan				
		WO 98/26783	6/25/98	PCT				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
		E. Fujita et al., Terpenoids. Part XXVIII.sup. 1 Total Synthesis of Enmein.sup.2.", <i>J. Chem. Soc., Perkin Trans. I</i> , (1):165-177 (1974)						
		P.N. Chakraborty et al., "Synthetic Studies in Resin Acid Series: Part VII*-Synthesis of 1 $\alpha$ -Methyl-1 $\beta$ , 4 $\alpha\beta$ -dicarboxy-1,2,3,4,4a,9,10,10 $\alpha\beta$ -octahydrophenanthrene & 1 $\beta$ , 4 $\alpha\beta$ -Dicarboxy-1,2,3,4,4a,9,10,10 $\alpha\alpha$ octahydrophenanthrene", <i>Indian J. Chem.</i> , 12(9):945-955 (1974)						
		U.R. Ghatak et al., "Angular Alkylation Through a Novel Intramolecular Cationic Reaction. A Simple Sterospecific Route to Polycyclic Bridged-Ring Intermediates Towards Some Complex Diterpenoids", <i>Tetrahedron Letters</i> , No. 32:2929-2931 (1978)						
		G. Sinha et al., "Condensed Cyclic and Bridged-ring System. Part 9.sup.1 Stereocontrolled Synthesis and X-Ray Structural Analysis of <i>cis</i> -3,4,4a,9,10,10a-Hexahydro-1,4a-ethanophenanthrene-2-(1H),12-dione and <i>trans</i> -3,4,4a,9,10,10a-Hexahydro-3,4a-ethanophenanthrene-2(1H), 12-dione", <i>J. Chem. Soc., Perkin Trans.I</i> , (10):2519-2528 (1983)						
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<b>EXAMINER</b>				<b>DATE CONSIDERED</b>				
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE		<b>Atty. Docket No. (Optional)</b> 17082AZ (PC10118C)	<b>Application Number</b> 10/721,318
<b>LIST OF PRIOR ART CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		<b>Applicant(s)</b> Robert L. Dow, et al.	
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		C.F. Biggs et al., "Synthesis and Pharmacological Evaluation of 4a-Phenanthrenamine Derivatives Acting at the Phencyclidine Binding Site of the N-Methyl-D-Aspartate Receptor Complex", <i>J. Med. Chem.</i> , (36):1977-1995 (1993)	
		H. Sdassi et al., "Enantioselective Synthesis of (R)-(+)-4a-Cyanomethyl-6-Methoxy-3,4,9,10-Tetrahydrophenanthren-2-One", <i>Synthetic Communications</i> , 25(17):2569-2573 (1995)	
		D. Bonnet-Delpon et al., "Trifluoromethylalkenes in Cycloaddition Reactions#", <i>Tetrahedron</i> , 52(1):59-70 (1996)	
		T. Ibuka et al., "Studies on the Alkaloids of Menispermaceous Plants. CCXXXVI.*sup.3", 87(8):1014-1017 (1967)-English-Language Translation	
		Chemical Abstracts, 84(19), Columbus, Ohio, US; abstract no. 135496w, Kigasawa et al.: "1,2-Cycloalkanoisoquinolines" and JP 50 111098-(Grelan Pharmaceutical Co., Ltd.; Japan) (1976)	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	
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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
17082AZ (PC10118C)

In Re Application Of: Robert L. Dow, et al.

Application No.

10/721,318

Filing Date

November 25, 2003

Examiner

Zinna Northington Davis

Customer No.

23389

Group Art Unit

1625

Confirmation No.

7093

Title:

**GLUCOCORTICOID RECEPTOR MODULATORS**

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☒ the fee set forth in 37 CFR 1.17(p).



**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
17082AZ (PC10118C)

In Re Application: Robert L. Dow, et al.

APR 28 2005  
PATENT & TRADEMARK OFFICE

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/721,318	November 25, 2003	Zinna Northington Davis	23389	1625	7093

Title:

**GLUCOCORTICOID RECEPTOR MODULATORS****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of \$180.00 is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below.
- ☐ Charge the amount of
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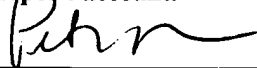
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(Date)

  
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Signature

Dated: April 25, 2005

Peter I. Bernstein

Registration No. 43,497

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